

## Things to Know, Understand and Do For Chapter 9: Stoichiometry

*By the end of Chapter 9, you should*

<b>Know how to...</b>
Define Stoichiometry
Write the molar ratio between two substances in a chemical reaction
Perform the following types of stoichiometric calculations: mol-mol, mass-mol, mol-mass, mass-mass
Determine the limiting reactant or excess reactant in a problem
Calculate theoretical yield, actual yield, and percent yield of a reaction
Answer questions on material from chapters 7 and 8

<b>understand...</b>
The importance/significance of the molar ratio to stoichiometric calculations
How to perform any stoichiometric calculation
When a problem is a limiting reactant problem, and how to identify a limiting reactant
The difference between percent, actual, and theoretical yield
How all of the topics from chapters 7, 8, and 9 can be linked together in all-encompassing type questions

**IF YOU DO NOT KNOW IONS YOU WILL FAIL THE TEST ON THIS CHAPTER**

Ch 9 HMWK AF

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